

MAYER &amp; WILLIAMS PC

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Oct 24 2008 16:57

P. 04

## PART B - FEE(S) TRANSMITTAL

and send this form, together with applicable fee(s), to: Mail

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27774 7590 07/24/2008

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HARRIS Kelly	(Depositor's name)
<i>Harris Kelly</i>	(Signature)
10/24/08	(Date)

10/554,212

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY CHECK NO.	CONFIRMATION NO.
10/554,212	10/24/2005	Hong Jin Kang	2400/8	4516

## TITLE OF INVENTION:

DEVICE FOR GENERATING PLANE BEAM/CONICAL SHAPE BEAM AND SECURITY DEVICE USING GENERATED PLANE BEAM/CONE BEAM

APPL. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	10/27/2008 NGUYEN2 00000000 501047	10/24/2008
EXAMINER	ART UNIT	CLASS-SUBCLASS			
Lee, Benjamin C.	2812	340-557000	01 FC:2501	755.00 DA	
			02 FC:1504	300.00 DA	

10554212

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.303).

☐ Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached.☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 01-02; or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 3 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Mayer &amp; Williams PC

2. Stuart H. Mayer, Esq.

3. Karin L. Williams, Esq.

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 1.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Korea Advanced Institute of Science and Technology

(B) RESIDENCE (CITY and STATE OR COUNTRY)

Daejeon City, Republic of Korea

(KAIST)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

## 4a. The following fee(s) are enclosed:

- ☒ Issue Fee  
☒ Publication Fee (No small entity discount permitted)  
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## 5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: This Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

*Karin L. Williams*

Date

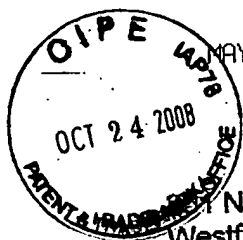
10/24/08

Typed or printed name Karin L. Williams, Esq.

Registration No. 38721

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**Mayer & Williams PC**  
**Attorneys At Law**

# Fax

**To:** Office of Patent Publication  
Mail Stop Issue Fee  
Group Art Unit: 2612  
Examiner: Benjamin C. Lee

**From:** Hellier Kelly  
Patent/Trademark Paralegal

**Fax:** 571-273-2885

**Pages:** 4 (including cover)

**Phone:**

**Date:** 10/24/2008

**Re:** Appln. No.: 10/554,212

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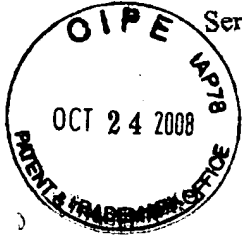
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PLEASE SEE ATTACHED COMMENTS ON EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE AND PART-B ISSUE FEE TRANSMITTAL



Serial No.: 10/554,212

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Kong et al.

Serial No.: 10/554,212

Filed: 10/24/2005

Title: DEVICE FOR GENERATING PLANE BEAM/CONICAL SHAPE BEAM  
AND SECURITY DEVICE USING GENERATED PLANE BEAM/CONE  
BEAM

Art Unit: 2612

Examiner: Benjamin C. Lee

Confirmation No.: 4516

Docket No.: 2400/8

Via Facsimile: 571-273-2885

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Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**COMMENTS ON EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE**

Sir:

This is filed in response to the Examiner's statement of reasons for allowance which were set forth in connection with the Notice of Allowance mailed July 24, 2008. These comments are being filed simultaneously with the payment of the government issue fee.

The Examiner's statement of reasons for allowance indicates that in a security system for monitoring intruder using optical beam generation and beam detector, the claimed use of a hollow cylindrical prism (see illustrations on Figs 2-5) having a predetermined diameter to generate a plane beam for reception by the beam signal detector and for the processor to

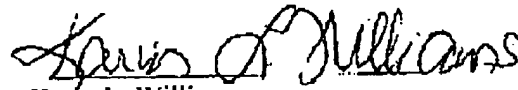
Serial No.: 10/554,212

judge whether there is an intruder from a signal detected by the signal detector in the manner claimed, is not taught or suggested in the prior art.

The above statement as to the reasons for allowance includes a partial recitation of elements of independent Claim 7 (renumbered as Claim 1 by the Examiner). Applicant respectfully submits that it is the complete recitation of all of the elements recited in each of the individual pending claims, Claims 7-13 (now 1-7), that constitute the basis for allowance for each allowed claim.

Applicant's undersigned attorney may be reached at (908) 518-7700.

Respectfully submitted,



Karin L. Williams

Registration No. 36,721

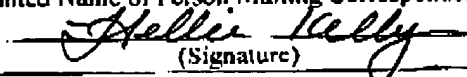
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I hereby certify that this document and any document referenced herein is being sent to the United States Patent and Trademark office, Office of Patent Publication, via Facsimile to: 571-273-2885 on 10/24/2008.

Hellier Kelly

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